

REMARKS/ARGUMENTS

Claims have been amended to further clarify the subject matter regarded as the invention.

In the Office Action, the Examiner has rejected claims 1, 9, 10, 12, and 17-23 under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,321,275 B1 (*McQuistan et al.*). The rejection is respectfully traversed below for at least the following reasons.

It is respectfully submitted that *McQuistan et al.* does NOT teach or suggest at least the following features:

(a) determining during runtime whether to configure the adapter/stub representation as an adapter or a stub for the virtual machine, **(b)** configuring said adapter/stub during runtime as a stub representation that is provided to a compiler for compilation and generating object code based on the compilation, **(c)** determining, during runtime, whether to provide an interpreter to compiled code (I/C) adapter or a compiled code to interpreter(C/I) adapter, **(d)** configuring the adapter/stub representation during runtime as an interpreter to compiled code (I/C) adapter that facilitates translation of a first execution stack used by an interpreter associated with the virtual machine, and **(e)** configuring said adapter/stub during runtime as a compiled code to interpreter (C/I) adapter that facilitates translation of a second execution stack used for execution of compiled code compiled by a compiler associated with the virtual machine.

It is noted that Figure 4 of *McQuistan et al.* depicts an environment where “an interpreter 404 marshals arguments into a runtime buffer maintained by the RPC runtime 402 as well as unmarshals arguments out of the runtime buffer.” Also, it is noted that Figure 5 of *McQuistan et al.* depicts a process of a remote procedure call (RPC). However, it is respectfully submitted that neither the environment depicted in Figure 4, nor the process shown in Figure 5 teach or suggest any of the claimed features noted above (a-e).

Moreover, it is respectfully submitted that *McQuistan et al.* does not teach or suggest these claimed features. *McQuistan et al.* pertains to “a translation mechanism” that performs all marshalling and unmarshaling code, so that “stubs are no longer needed to be used on the server side application program, thereby reducing the amount of storage used in the system” (*McQuistan et al.*, Summary of the invention). However, the claimed invention pertains to a method for providing an adapter or stub as needed for a virtual machine during runtime when said virtual machine executes computer code. Accordingly, it is respectfully submitted that claim 1 is patentable over *McQuistan et al.* for at least these reasons.

Based on the foregoing, it is submitted that all pending claims are patentably distinct over the cited art of record. Additional limitations recited in the independent claims or the dependent claims are not further discussed because the limitations discussed above are sufficient to distinguish the claimed invention from the cited art. Accordingly, Applicant believes that all pending claims are allowable and respectfully requests a Notice of Allowance for this application from the Examiner.

Applicants hereby petition for an extension of time which may be required to maintain the pendency of this case, and any required fee for such extension or any further fee required in connection with the filing of this Amendment is to be charged to Deposit Account No. 500388 (Order No. SUN1P231C1). Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

Respectfully submitted,
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